## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

- 1.-20. (Cancelled)
- 21. (Previously Presented) A method of detecting flow from a first zone and a second zone in a multizonal well in a subterranean formation comprising the steps of:

introducing a first photoactive tracer into the first zone;

introducing a second photoactive tracer into the second zone, wherein the first photoactive tracer or the second photoactive tracer comprises a tracer matrix that comprises a photoactive material and a nondegradable polymeric material; and

detecting the first and the second photoactive tracers in the return flow from the first and second zones.

- 22. (Original) The method of claim 21 wherein the first photoactive tracer and the second photoactive tracer have a different absorption or emitting wavelengths.
- 23. (Original) The method of claim 21 wherein the first photoactive tracer or the second photoactive tracer comprises fluorescein, rhodamine B, Nile Blue A, or acridine orange.
- 24. (Original) The method of claim 21 wherein the first photoactive tracer or the second photoactive tracer comprises a fluorescein gel concentrate.
- 25. (Cancelled)
- 26. (Previously Presented) The method of claim 21 wherein the photoactive material comprises a fluorophore, a dye, or a pigment.
- 27. (Previously Presented) The method of claim 21 wherein the photoactive material comprises a fluorophore, dye, or pigment that has a blue, green, yellow, orange, orange-red, or red-far red absorption or emission spectrum.
- 28. (Previously Presented) The method of claim 21 wherein the polymeric material protects the photoactive material from degradation downhole.